



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2003060649 A**
(43) Date of publication of application: **28.02.2003**

(51) Int. Cl. H04L 12/28

H04J 3/06, H04L 7/08, H04L 27/00

(21) Application number: **2001245945**

(22) Date of filing: **14.08.2001**

(71) Applicant: **NIPPON TELEGR & TELEPH
CORP <NTT>**

(72) Inventor: **HORI SATORU**
KIZAWA TAKESHI
SAKATA TORU
MORIKURA MASAHIRO

(54) FREQUENCY CHANNEL DISCRIMINATING METHOD AND RECEIVER FOR WIRELESS PACKET COMMUNICATION

COPYRIGHT: (C)2003,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To propose a frequency channel discriminating method for wireless packet communication capable of solving the problem that a wrong timing is detected due to a mirror signal of a preamble signal transmitted using a channel of an adjacent frequency.

SOLUTION: By this method, a symbol timing is detected on the basis of a correlational value between a short preamble signal transmitted in the head of a packet and a preamble signal for detecting a symbol timing prepared in a receiving station, and it is discriminated whether or not a packet being now in reception is a frequency channel used by the receiving station, on the basis of a correlational value between a long preamble signal transmitted continuously to the short preamble signal and the preamble signal for detecting a frequency channel prepared in the receiving station.

